

CLAIMS

1. A positioning system comprising:

a first conventional correlation path for detecting and correlating satellite position signals

5 and providing an output when a signal is detected;

a second correlation path for correlation path for detecting and correlating said satellite

position signals;

a subtractor coupled to said first and second correlation paths for removing said output

from an input of said second correlation path.

2. The positioning system of claim 1 further including an assistance signal coupled

to said second correlation path.

3. The positioning system of claim 2 wherein said assistance signal includes one or

more Doppler frequencies for said satellites.

4. The positioning system of claim 2 wherein said assistance signal includes one or

more locations for said satellites.

20 5. The positioning system of claim 2 wherein said assistance signal includes a list of

one or more satellites that are currently available.

6. The positioning system of claim 2 wherein said assistance signal includes one or  
more navigation bits in said signals from said satellites.

7. A method for using a positioning system comprising:  
5 transmitting signals from one or more satellites;  
detecting and correlating said signals in a first correlation path and providing an output  
when a signal is detected and correlated;  
detecting and correlating said signals in a second correlation path having an input;  
subtracting said output from said first correlation path from said input of said second  
10 correlation path.

8. The method of claim 7 further including an assistance signal coupled to said  
second correlation path.

9. The method of claim 8 wherein said assistance signal includes one or more  
15 Doppler frequencies for said satellites.

10. The method of claim 8 wherein said assistance signal includes one or more  
locations for said satellites.

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11. The method of claim 8 wherein said assistance signal includes a list of one or  
more satellites that are currently available.

12. The method of claim 8 wherein said assistance signal includes one or more navigation bits in said signals from said satellites.